PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

| Applicant's or agent's file reference 325.0253PCT | FOR FURTHER ACT | ION | See Form PCT/IPEA/416 | | | |
|--|---|------------------------|--------------------------------------|--|--|--|
| International application No. | International filing date (d | ay/month/year) | Priority date (day/month/year) | | | |
| PCT/US04/26926 18 August 2004 | | 04) | 20 January 2004 (20.01.2004) | | | |
| International Patent Classification (IPC) | or national classification and | IPC | | | | |
| IPC(7): B01D 53/14 and US Cl.: 95/187, 223, 235; 96/234; 423/220 | | | | | | |
| Applicant | | | | | | |
| FLUOR TECHNOLOGIES CORPORATION | | | | | | |
| 1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. | | | | | | |
| 2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet. | | | | | | |
| 3. This report is also accompa | anied by ANNEXES, con | nprising: | • | | | |
| a. (sent to the applicant and to the International Bureau) a total of 3 sheets, as follows: | | | | | | |
| sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). | | | | | | |
| sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. | | | | | | |
| b. (sent to the Interi | national Bureau only) a to | otal of (indicate type | and number of electronic carrier(s)) | | | |
| , containir | ng a sequence listing ar | nd/or tables related | thereto, in electronic form only, as | | | |
| | | elating to Sequence | e Listing (see Section 802 of the | | | |
| Administrative Instructions). | | | | | | |
| 4. This report contains indications relating to the following items: | | | | | | |
| Box No. I Basis of the report | | | | | | |
| Box No. II Pr | Box No. II Priority | | | | | |
| | Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability | | | | | |
| Box No. IV Lack of unity of invention | | | | | | |
| | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | | | | |
| Box No. VI C | ertain documents cited | - | | | | |
| Box No. VII C | ertain defects in the interr | national application | | | | |
| Box No. VIII C | ertain observations on the | international applica | ation | | | |
| Date of submission of the demand | | Date of completion | of this report | | | |
| 03 November 2005 (03.11.2005) | | 19 January 2006 (19. | 01.2006), | | | |
| Name and mailing address of the IPEA/ | US | Authorized officer | 1 11/1/10/ | | | |
| Mail Stop PCT, Attn: IPEA/US Commissioner for Patents | | Frank M. Lawrence | Thung Wal X | | | |
| P.O. Box 1450 | | Plank IVI. Lawlence | 1/100// | | | |
| Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201 | | Telephone No. 571-2 | 272-09\$1 | | | |

Form PCT/IPEA/409 (cover sheet)(April 2005)

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

| nternational | application | No |
|--------------|-------------|------|
| nternational | application | INO. |

PCT/US04/26926

| Ro | X NO. | .1 Basis of the report |
|-----|-------------|---|
| 1. | With | regard to the language, this report is based on: |
| | \boxtimes | the international application in the language in which it was filed. |
| | | a translation of the international application into <u>English</u> , which is the language of a translation furnished for the purposes of: |
| | | international search (under Rules 12.3 and 23.1(b)) |
| | | publication of the international application (under Rule 12.4(a)) |
| | | international preliminary examination (under Rules 55.2(a) and/or 55.3(a)) |
| 2. | to the | regard to the elements of the international application, this report is based on (replacement sheets which have been furnished receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not seed to this report): |
| | | the international application as originally filed/furnished |
| | \boxtimes | the description: |
| | | pages 1-17 as originally filed/furnished pages* NONE received by this Authority on |
| | | pages* NONE received by this Authority on |
| | \square | the claims: |
| | | pages NONE as originally filed/furnished |
| | | pages* 18-20 as amended (together with any statement) under Article 19 |
| | | pages* NONE received by this Authority on |
| | | pages* NONE received by this Authority on |
| | \boxtimes | the drawings: |
| | | pages 1/7-7/7 as originally filed/furnished |
| | | pages* NONE received by this Authority on |
| | | pages* NONE received by this Authority on |
| | | a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing. |
| 3. | \boxtimes | The amendments have resulted in the cancellation of: |
| | | the description, pages |
| | | the claims, Nos. 14 |
| | | the drawings, sheets/figs |
| | | the sequence listing (specify): |
| | | any table(s) related to the sequence listing (specify): |
| | _ | any moto(s) remote to the coquere noting (speedy)). |
| 4. | | This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). |
| | | the description, pages |
| | | the claims, Nos. |
| | | the drawings, sheets/figs |
| | | the sequence listing (specify): |
| | | any table(s) related to the sequence listing (specify): |
| * } | f item | a 4 applies, some or all of those sheets may be marked "superseded." |

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/26926

| | | Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | | | | |
|--|--|---|--|--|--|--|--|
| Statement | | | | | | | |
| Novelty (N) | Claims <u>1-13, 15-17</u> | | | | | | |
| | Claims NONE | NO | | | | | |
| Inventive Step (IS) | Claims 1-13, 15-17 | YES | | | | | |
| • \ , | Claims NONE | NO | | | | | |
| Industrial Applicability (IA) | Claims 1-13, 15-17 | YES | | | | | |
| industrial reppressionity (111) | Claims NONE | NO | | | | | |
| reding a second portion of the H2S-rich product gas relaims 1-13 and 15-17 meet the criteria set out in PC relaimed can be made or used in industry. | T Article 33(4), and thus have industrial ap | plicability because the subject matter | | | | | |
| | | | | | | | |
| | | | | | | | |